Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

- 1.-18. (Cancelled)
- 19. (Previously Presented) A particle comprising:
 - (a) a protein envelope with a fusion protein, the fusion protein comprising a virus protein, a cell permeability-mediating peptide, and a heterologous cell-specific binding site; and
 - (b) nucleic acid sequences present within the protein envelope, each of the nucleic acid sequences comprising a sequence encoding a virus-specific packaging signal and a sequence encoding a structural gene.
- 20. (Currently Amended) The particle of claim 19, wherein the virus protein is derived from a virus selected from the group consisting of adenovirus, adenoassociated virus, vaccinia virus, baculovirus and hepadnavirus.
- 21. (Previously Presented) The particle of claim 20, wherein the hepadnavirus is a hepatitis B virus.
- 22. (Previously Presented) The particle of claim 19, wherein the virus protein is a surface protein.
- 23. (Previously Presented) The particle of claim 22, wherein the surface protein is the large surface protein of HBV (LHBs).
- 24. (Previously Presented) The particle of claim 19, wherein the virus protein is a core protein.
- 25. (Previously Presented) The particle of claim 24, wherein the core protein is an HBcAg.

26.	(Currently Amended) <u>A particle comprising:</u>
	(a) a protein envelope with a fusion protein, the fusion protein
	comprising a virus protein, a cell permeability-mediating peptide, and a
	heterologous cell-specific binding site; and
	(b) nucleic acid sequences present within the protein envelope, each
	of the nucleic acid sequences comprising a sequence encoding a virus-specific
	packaging signal and a sequence encoding a structural geneThe particle of
	claim-19, wherein the cell permeability-mediating peptide comprises the amino
	acid sequence set forth in SEQ ID NO:20.
27.	(Previously Presented) The particle of claim 19, wherein the heterologous
cell-s	pecific binding site is RGD.
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28.	(Previously Presented) The particle of claim 19, wherein the fusion protein
•	orises an amino acid sequence selected from the group consisting of SEQ ID NO:1
ana s	SEQ ID NO:2.
29.	(Previously Presented) The particle of claim 19, wherein the fusion protein
comj	orises the amino acid sequence set forth in SEQ ID NO:1.
30.	(Currently Amended) A particle comprising:
	(a) a protein envelope with a fusion protein, the fusion protein
	comprising a virus protein, a cell permeability-mediating peptide, and a
	heterologous cell-specific binding site; and
	(b) nucleic acid sequences present within the protein envelope, each
	of the nucleic acid sequences comprising a sequence encoding a virus-specific
	packaging signal and a sequence encoding a structural geneThe particle of
	claim 19, wherein the fusion protein consists of the amino acid sequence set forth
	in SEQ ID NO:1.

- 31. (Previously Presented) The particle of claim 19, wherein the fusion protein comprises the amino acid sequence set forth in SEQ ID NO:2.
- 32. (Currently Amended) <u>A particle comprising:</u>
 - (a) a protein envelope with a fusion protein, the fusion protein comprising a virus protein, a cell permeability-mediating peptide, and a heterologous cell-specific binding site; and
 - (b) nucleic acid sequences present within the protein envelope, each of the nucleic acid sequences comprising a sequence encoding a virus-specific packaging signal and a sequence encoding a structural geneThe particle of claim 19, wherein the fusion protein consists of the amino acid sequence set forth in SEQ ID NO:2.
- 33. (Currently Amended) A method for the preparation of the particle according to claim 19, wherein the fusion protein contains an LHBs and a heterologous cell-specific binding site, the method comprising:
 - (a) cotransfecting cells containing a hepatitis B virus genome, wherein the cells do not express LHBs, and not expressing LHBs, with a first expression vector and a second expression vector, the first expression vector coding for a fusion protein comprising an LHBs and a heterologous cell-specific binding site, and the second expression vector comprising a virus-specific packaging signal and a structural gene;
 - (b) cultivating the cotransfected cells of step (a) to produce the particle; and
 - (c) isolating and purifying the particles produced by the cotransfected cells of step (a).
- 34. (Withdrawn) A method for the preparation of the particle according to claim 19, the particle comprising a fusion protein, wherein the fusion protein comprises an HBcAg, a cell permeability-mediating peptide and a heterologous cell-specific binding site, the method comprising:

- (a) cotransfecting cells containing an HBV polymerase with a first expression vector and a second expression vector, the first expression vector coding for a fusion protein comprising an HBcAg, a cell permeability-mediating peptide and a heterologous cell-specific binding site, and the second expression vector comprising a virus-specific packaging signal and a structural gene;
- (b) cultivating the cotransfected cells of step (a) to produce the particle; and
- (c) isolating and purifying the particles produced by the cotransfected cells of step (a).
- 35. (Withdrawn) A fusion protein comprising a virus protein, a cell permeability-mediating peptide and a heterologous cell-specific binding site.
- 36. (Withdrawn) The fusion protein of claim 35, comprising an amino acid sequence selected from the group consisting of SEQ ID NO:1 and SEQ ID NO:2.
- 37. (Withdrawn) The fusion protein of claim 35, comprising the amino acid sequence set forth in SEQ ID NO:1.
- 38. (Withdrawn) The fusion protein of claim 35, comprising the amino acid sequence set forth in SEQ ID NO:2
- 39. (Withdrawn) The fusion protein of claim 36, wherein the amino acid sequence differs from that set forth in SEQ ID NO:1 or SEQ ID NO:2 by one amino acid.
- 40. (Withdrawn) The fusion protein of claim 36, wherein the amino acid sequence differs from that set forth in SEQ ID NO:1 or SEQ ID NO:2 by up to 10%.
- 41. (Withdrawn) The fusion protein of claim 36, wherein the amino acid sequence differs from that set forth in SEQ ID NO:1 or SEQ ID NO:2 by up to 20%.
- 42. (Withdrawn) A DNA encoding the fusion protein of claim 35.

- 43. (Withdrawn) A DNA encoding the fusion protein of claim 36, the DNA comprising a nucleotide sequence selected from the group consisting of SEQ ID NO:3 and SEQ ID NO:4.
- 44. (Withdrawn) A DNA encoding the fusion protein of claim 36, the DNA comprising the nucleotide sequence set forth in SEQ ID NO:3.
- 45. (Withdrawn) A DNA encoding the fusion protein of claim 36, the DNA comprising the nucleotide sequence set forth in SEQ ID NO:4.
- 46. (Withdrawn) The DNA of claim 43, wherein the nucleotide sequence differs from that set forth in SEQ ID NO:3 or SEQ ID NO:4 by one base pair.
- 47. (Withdrawn) The DNA of claim 43, wherein the nucleotide sequence differs from that set forth in SEQ ID NO:3 or SEQ ID NO:4 by up to 10%.
- 48. (Withdrawn) The DNA of claim 43, wherein the nucleotide sequence differs from that set forth in SEQ ID NO:3 or SEQ ID NO:4 by up to 20%.
- 49. (Withdrawn) A DNA encoding the fusion protein of claim 36, wherein the DNA has the nucleotide sequence set forth in SEQ ID NO:3.
- 50. (Withdrawn) A DNA encoding the fusion protein of claim 36, wherein the DNA has the nucleotide sequence set forth in SEQ ID NO:4.
- 51. (Withdrawn) An expression vector which encodes the DNA of claim 43, 44, 45, 46, 47, 48, 49 or 50.